

20 29. An orthodontic edgewise bracket as recited in Claim 13¹⁵, wherein an occlusal end of said orthodontic treatment device is positioned within said auxiliary slot, and wherein a gingival end of said orthodontic treatment device has at least one of a mesio and distal facing notch.

21 30. An orthodontic edgewise bracket as recited in Claim 13¹⁵, wherein said archwire slot has a floor, said body comprises an base which interfaces with a tooth, and said auxiliary slot extends through said ^{base} below said archwire slot.

REMARKS

Applicants have submitted this Supplemental Amendment and Response in conjunction with a further Supplemental Information Disclosure Statement. Initially and with regard to U.S. Patent No. 5,131,969., the bracket of Fig. 2 in Kawaguchi previously disclosed by Applicants and referenced by the Examiner in the Office Action dated February 16, 1994, as well as the bracket identified on page 1-1 of the 3M Unitek Corporation Catalog previously disclosed by Applicants, appear to the same as that disclosed in U.S. Patent No. 5,131,969.

The remaining references identified on the accompanying Supplemental Information Disclosure Statement are brackets with vertically opening and extending arch slots in contrast to Applicants' invention of Claim 15 which is an edgewise bracket having a labially opening arch slot. Consequently, the pins disclosed by these references which are positioned in vertically


extending auxiliary slots are merely for retaining the arch wire within the vertically arch slot. In contrast, the orthodontic treatment member of Claim 15 actually transmits a treatment force to the bracket and thus the tooth. For instance, in the case where this orthodontic treatment device is a gingivally extending hook, part of the hook extends beyond the gingival tie wing for engagement by an elastic or the like. Moreover and further in this regard, the gingival end of the hook is configured so as to receive and interact with a mesio-distally extending force applying member. For instance, the gingival end may have a mesio and/or distally facing notch. In contrast, the "notch" on the retaining pins disclosed by the accompanying references are occlusally facing for engaging the upper portion of the arch wire.

Based upon the foregoing, all pending claims remain in condition for allowance and such disposition is respectfully requested. In the event that a telephone conversation would further prosecution and/or expedite allowance, the Examiner is invited to contact the undersigned attorney.

Respectfully submitted,

SHERIDAN ROSS & McINTOSH

By:


Thomas R. Marsh
Registration No. 31,039
1700 Lincoln Street
Suite 3500
Denver, Colorado 80203
(303) 863-9700

Date:

6/30/94